

22. The composition as claimed in claim 21, wherein the food additive or feed additive is selected from the group consisting of probiotics, prebiotics, vitamins, provitamins, antioxidants, oils, fats, fatty acids, and mixtures thereof.
23. The composition as claimed in claim 22, wherein the probiotic is a bifido bacterium.
24. The composition as claimed in claim 21, wherein the water-insoluble linear α -1,4-D-glucan or the resistant starch obtainable therefrom acts as a carrier material for the food additive or feed additive.
25. The composition as claimed in claim 21, wherein the water-insoluble linear α -1,4-D-glucan or the starch obtainable therefrom is present in the form of microparticles.
26. The composition as claimed in claim 21, wherein the food additive or feed additive is at least in part enrobed by the water-insoluble linear α -1,4-D-glucan or the resistant starch obtainable therefrom.
27. The composition as claimed in claim 21, wherein the water-insoluble linear α -1,4-D-glucan has a molecular weight M_w of from 0.75×10^2 to 10^7 g/mol.
28. The composition as claimed in claim 21, wherein the water-insoluble linear α -1,4-D-glucan has a molecular weight M_w of from 10^3 to 10^6 g/mol.
29. The composition as claimed in claim 21, wherein the water-insoluble linear α -1,4-D-glucan has a molecular weight M_w of from 10^3 to 10^5 g/mol.
30. The composition as claimed in claim 21, wherein the water insoluble linear α -1,4-D-glucan is obtained by in vitro polymerization of glucose in the presence of an enzyme having amylosucrase activity.
31. The composition as claimed in claim 21, wherein the composition is a foodstuff, a foodstuff precursor or a foodstuff supplement.

32. A medicament comprising a resistant starch based on water-insoluble linear α -1,4-D-glucans, wherein the degree of branching in the 2, 3 or 6 position does not exceed 0.5%.
33. The medicament as claimed in claim 32, wherein the medicament is a gastrointestinal composition.
34. A pharmaceutical or veterinary composition comprising a resistant starch based on water-insoluble linear α -1,4-D-glucans, wherein the degree of branching in the 2, 3 or 6 position does not exceed 0.5%.
35. The composition as claimed in claim 34, further comprising a functional additive.
36. The composition as claimed in claim 35, wherein the functional additive is a food additive or feed additive.
37. The composition as claimed in claim 36, wherein the food additive or feed additive is a probiotic.
38. The composition as claimed in claim 37, wherein the probiotic is a bifido bacterium.
39. The composition as claimed in claim 35, wherein the functional additive is a medicinal compound.
40. The composition as claimed in claim 39, wherein the medicinal compound is a therapeutic agent.
41. A method of treating or preventing gastrointestinal disorders comprising administering an effective amount of a medicament comprising a resistant starch based on water-insoluble linear α -1,4-D-glucans, wherein the degree of branching in the 2, 3 or 6 position does not exceed 0.5%.--